



The State of New Hampshire
Department of Environmental Services



Michael P. Nolin
Commissioner

March 30, 2004
Letter of Deficiency
DSP#04-018

Mr. Lee Fletcher
Winterhawk Land Development Corporation
10 Block Avenue #60
Claremont, NH 03743

RE: Winterhawk Recreation Pond Dam 047.44, Claremont

Dear Mr. Fletcher:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on August 22, 2003. During this visual inspection and/or file review, the following deficiencies were observed:

1. There was brush and trees along the downstream embankment and in the vicinity of the outlet pipe within 10 feet of the toe of the dam. Several of the white pine trees measured 18" in diameter;
2. The underside of the 15-inch CMP outlet pipe was corroded at its downstream end. Internally the pipe appeared to be losing its protective coating with minor signs of corrosion. Installed in 1978, the CMP pipe is nearing the end of its functional life of 30 years;
3. There is no operation and maintenance plan (O&M) on file for this dam; and
4. The Emergency Action Plan (EAP) needs to be reviewed, updated and tested.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

June 1, 2004:

1. Prepare and submit to the DES a written operations and maintenance procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines;
2. Review, update and perform a test of the EAP. If you have questions relative to the testing and updating of your EAP please contact Bethann McCarthy, P.E., our EAP Coordinator at 271-3406;

November 1, 2004:


3. Remove the brush and trees along the downstream embankment within 10 feet of the downstream toe of the dam. Remove all trees and brush within the vicinity of the outlet pipe. Refer to the enclosed sketch; and
4. Provide DES with verification that CMP outlet pipe lining or replacement has been investigated and scheduled. Contact this office for guidance. A photo taken during the inspection has been enclosed with this correspondence.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the bottom of the previous page.

Sincerely,


Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13, Sketch/Photos Illustrating Deficiencies

cc: Gretchen Rule✓

City of Claremont

Bethann McCarthy, P.E., EAP Coordinator

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